

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Production and Operating Workers \(51-1011\)](#)

Associated Occupation: [Chemical Equipment Operators and Tenders \(51-9011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	9.8	10.9	>	Current knowledge level is likely sufficient
Public Safety and Security	6.9	8.8	7.3	<	Expanded education and/or training may be required
Chemistry	4.8	8.4	5.0	<<	Extensive education and/or training may be required
Production and Processing	6.0	8.4	17.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 50

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	12.9	8.1	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	11.6	5.1	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	7.1	5.5	<	A higher skill level may be required
Equipment Maintenance	3.5	6.2	4.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Perceptual Speed	7.4	11.4	8.4	<<	Extensive improvement in abilities may be required
Control Precision	6.6	11.2	6.8	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.8	6.4	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	10.5	8.9	<	Some improvement in abilities may be required
Reaction Time	4.8	9.7	6.0	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.3	6.0	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.1	5.1	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	7.7	3.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation: Chemical Equipment Operators and Tenders (51-9011)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Communicate technical information	4
Direct and coordinate activities of workers or staff	3
Estimate materials or labor requirements	61
Examine products or work to verify conformance to specifications	15
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Read work order, instructions, formulas, or processing charts	9

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)
Associated Occupation: Chemical Equipment Operators and Tenders (51-9011)

Tools and Technologies	Exclusivity
Content authoring and editing software	1
Face and head protection	7
Information exchange software	1
Respiratory protection	6
Safety apparel	4
Safety footwear	21
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.